



Inte onal Application No PCT/US 03/31640

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61B17/04 A61B17/28

According to International Patent Classification (IPC) or to both national classification and IPC

8. FIELDS SEARCHED

 $\begin{tabular}{ll} \begin{tabular}{ll} Minimum documentation searched (classification system followed by classification symbols) \\ IPC 7 & A61B \end{tabular}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	DE 93 17 488 U (MEDICON EG CHIRURGIEMECHANIKER) 20 January 1994 (1994-01-20) page 7, line 21 -page 8, line 9 page 10, line 6 - line 11 figures 1,2	1,2,7,8, 10-18	
X	WO 97 24988 A (SYMBIOSIS CORP) 17 July 1997 (1997-07-17) page 6, line 4 -page 7, line 21 figures 4,5	1,2,7,8, 10-18	
Y	US 5 871 488 A (RICHARDSON PHILIP ET AL) 16 February 1999 (1999-02-16) column 4, line 63 -column 5, line 37 figure 1/	1-18,22	

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the International search 11 February 2004	Date of mailing of the international search report 19/02/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Compos, F





Inte Inal Application No PCT/US 03/31640

	etion) DOCUMENTS CONSIDERED TO BE RELEVANT	To-t
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
•	US 5 445 140 A (TOVEY H JONATHAN) 29 August 1995 (1995-08-29) column 2, line 56 -column 3, line 7 column 4, line 10 - line 14 column 4, line 53 - line 65 figures 1-3	1-18,22
	·	





national application No. PCT/US 03/31640

Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet) Box I This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: Claims Nos.: 19-21 because they relate to subject matter not required to be searched by this Authority, namely: Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet) This International Searching Authority found multiple inventions in this international application, as follows: As all required additional search fees were timely paid by the applicant, this International Search Report covers all As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.: No required additional search fees were timely paid by the applicant, Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.





INTERNATIONAL SEARCH REPORT

onal Application No PCT/US 03/31640

Patent document cited in search report	ļ	Publication date		Patent family member(s)		Publication date
DE 9317488	U	20-01-1994	DE	9317488	U1	20-01-1994
WO 9724988	A	17-07-1997	AU	722297	B2	27-07-2000
		,	AU	1695397	Α	01-08-1997
			CA	2242861	A1	17-07-1997
			EΡ	0918485	A1	02-06-1999
			JР	2000503217	T	21-03-2000
			WO	9724988	A1	17-07-1997
			US	5865724	Α	02-02-1999
US 5871488	Α	16-02-1999	US	5674230	A	07-10-1997
			AT	221753	Ţ	15-08-2002
			AU	691044	B2	07-05-1998
			AU	3794495	Α	01-02-1996
		•	ΑU	697965	B2	22-10-1998
			AU	7446894	A	27-04-1995
			CA	2133377	A1	09-04-1995
			DE		01	12-09-2002
			DE	69431146		17-04-2003
			DE	69431996		13-02-2003
			DE		T2	21-08-2003
			ΕP	1027866		16-08-2000
			EP	1300116		09-04-2003
			EP	0647431		12-04-1995
			ES		T3	01-05-2003
			ES		T3	16-01-2003
			JP	7155332		20-06-1995
			US	5569301	Α	29-10-1996
			US	5478344	Α	26-12-1995
			US	5674229	Α	07-10-1997
			US	5591181	Α	07-01-1997
			US	5728107	A	17-03-1998
US 5445140	Α	29-08-1995	NONE			